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DATE: Friday, June 18, 2004

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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	L1 with human	22
<input type="checkbox"/>	L1	MEKK1	241

END OF SEARCH HISTORY

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[Generate OACS](#)

Search Results - Record(s) 1 through 10 of 22 returned.

☐ 1. Document ID: US 20040033976 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 22

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040033976
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040033976 A1

TITLE: Antisense modulation of mekk3 expression

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ward, Donna T.	Murrieta	CA	US	
Gaarde, William A.	Carlsbad	CA	US	
Monia, Brett P.	Encinitas	CA	US	
Wyatt, Jacqueline R.	Encinitas	CA	US	

US-CL-CURRENT: 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 2. Document ID: US 20040014053 A1

L2: Entry 2 of 22

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040014053
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040014053 A1

TITLE: Novel proteins and nucleic acids encoding same

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zerhusen, Bryan D.	Branford	CT	US	
Patturajan, Meera	Branford	CT	US	
Kekuda, Ramesh	Norwalk	CT	US	

h e b b g e e e f e c e f b e

Miller, Charles E.	Guilford	CT	US
Rieger, Daniel K.	Branford	CT	US
Pena, Carol E.A.	New Haven	CT	US
Shimkets, Richard A.	Guilford	CT	US
Li, Li	Branford	CT	US
Berghs, Constance	New Haven	CT	US
Zhong, Mei	Branford	CT	US
Casman, Stacie J.	North Haven	CT	US
Voss, Edward Z.	Wallingford	CT	US
Boldog, Ferenc L.	North Haven	CT	US
Padigaru, Muralidhara	Branford	CT	US
Smithson, Glennda	Guilford	CT	US
Ji, Weizhen	Branford	CT	US
Gorman, Linda	Branford	CT	US
Vernet, Corine A.M.	Branford	CT	US
Leite, Mario W.	Milford	CT	US
Guo, Xiaojia Sasha	Branford	CT	US
Anderson, David W.	Branford	CT	US
Spytek, Kimberly A.	New Haven	CT	US
Gerlach, Valerie	Branford	CT	US
Burgess, Catherine E.	Wethersfield	CT	US
Khrantsov, Nikolai V.	Branford	CT	US
Ort, Tatiana	Milford	CT	US
Ellerman, Karen	Branford	CT	US
Rastelli, Luca	Guilford	CT	US
Agee, Michele L.	Wallingford	CT	US
Chaudhuri, Amitabha	Madison	CT	US
Chant, John S.	Branford	CT	US
DiPippo, Vincent A.	East Haven	CT	US
Edinger, Shlomit R.	New Haven	CT	US
Eisen, Andrew J.	Rockville	MD	US
Gangolli, Esha A.	Madison	CT	US
Giot, Loic	Madison	CT	US
Ooi, Chean Eng	Branford	CT	US
Rothenberg, Mark E.	Clinton	CT	US
Spaderna, Steven K.	Berlin	CT	US
Hjalt, Tord	Lomma	MA	SE
Liu, Xiaohong	Lexington	CT	US
Taupier, Raymond J. JR.	East Haven	CT	US
Catterton, Elina	Madison	CT	US
Shenoy, Suresh G.	Branford		US

US-CL-CURRENT: [435/6](#); [435/183](#), [435/320.1](#), [435/325](#), [435/69.1](#), [435/7.23](#), [530/350](#),
[536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Dg
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☐ 3. Document ID: US 20040009479 A1

L2: Entry 3 of 22

File: PGPB

Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040009479

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040009479 A1

TITLE: Methods and compositions for diagnosing or monitoring auto immune and chronic inflammatory diseases

PUBLICATION-DATE: January 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wohlgemuth, Jay	Palo Alto	CA	US	
Fry, Kirk	Palo Alto	CA	US	
Woodward, Robert	Pleasanton	CA	US	
Ly, Ngoc	San Bruno	CA	US	

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Ds
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☐ 4. Document ID: US 20030144242 A1

L2: Entry 4 of 22

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030144242

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030144242 A1

TITLE: Antisense modulation of MEKK4 expression

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ward, Donna T.	Murrieta	CA	US	
Gaarde, William	Carlsbad	CA	US	
Monia, Brett P.	La Costa	CA	US	
Wyatt, Jacqueline	Encinitas	CA	US	

US-CL-CURRENT: 514/44; 435/375, 435/6, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Ds
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☐ 5. Document ID: US 20030077262 A1

L2: Entry 5 of 22

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030077262
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030077262 A1

TITLE: Methods and compositions for modulating apoptosis

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Franzoso, Guido	West Lafayette	IN	US	
DeSmaele, Enrico	Subiaco (Roma)	IL	IT	
Zazzeroni, Francesca	Chicago	IL	US	
Papa, Salvatore	Chicago		US	

US-CL-CURRENT: 424/93.21; 435/455, 514/1, 514/12, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 20030068660 A1

L2: Entry 6 of 22

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030068660
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030068660 A1

TITLE: Methods of ameliorating arthritis by modulating JNK signalsome activity

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Firestein, Gary S.	Del Mar	CA	US	

US-CL-CURRENT: 435/7.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 20030050230 A1

L2: Entry 7 of 22

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030050230
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030050230 A1

TITLE: STE20-RELATED PROTEIN KINASES

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
FLOWMAN, GREGORY	SAN CARLOS	CA	US	
MARTINEZ, RICARDO	FOSTER CITY	CA	US	
WHYTE, DAVID	BELMONT	CA	US	

US-CL-CURRENT: 514/12; 435/194, 435/325, 435/4, 435/7.1, 530/387.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 8. Document ID: US 20030049660 A1

L2: Entry 8 of 22

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049660

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030049660 A1

TITLE: P38 MAPK pathway predicts endocrine-resistant growth of human breast cancer and provides a novel diagnostic and treatment target

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Osborne, C. Kent	Houston	TX	US	
Schiff, Rachel	Bellaire	TX	US	
Shou, Jiang	Houston	TX	US	

US-CL-CURRENT: 435/6; 435/7.23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 9. Document ID: US 20020146798 A1

L2: Entry 9 of 22

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020146798

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020146798 A1

TITLE: Human MEKK proteins, corresponding nucleic acid molecules, and uses therefor

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Johnson, Gary L.	Boulder	CO	US	

US-CL-CURRENT: [435/194](#); [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 10. Document ID: US 20020055130 A1

L2: Entry 10 of 22

File: PGPB

May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055130

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020055130 A1

TITLE: Method and product for regulating apoptosis

PUBLICATION-DATE: May 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Johnson, Gary L.	Boulder	CO	US	

US-CL-CURRENT: [435/7.21](#); [435/226](#), [435/325](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L1 with human	22

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[Previous Page](#)[Next Page](#)[Go to Doc#](#)

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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 11 through 20 of 22 returned.

☐ 11. Document ID: US 6713506 B2

Using default format because multiple data bases are involved.

L2: Entry 11 of 22

File: USPT

Mar 30, 2004

US-PAT-NO: 6713506

DOCUMENT-IDENTIFIER: US 6713506 B2

TITLE: Tea polyphenol esters and analogs thereof for cancer prevention and treatment

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dou; Q. Ping	Tampa	FL		
Nam; Sangkil	Tampa	FL		
Smith; David M.	Tampa	FL		

US-CL-CURRENT: [514/450](#); [514/452](#), [514/454](#), [514/455](#), [514/456](#), [514/457](#), [514/458](#),
[514/461](#), [514/470](#), [514/471](#), [514/472](#), [514/473](#), [514/513](#), [514/529](#), [514/532](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 12. Document ID: US 6680170 B2

L2: Entry 12 of 22

File: USPT

Jan 20, 2004

US-PAT-NO: 6680170

DOCUMENT-IDENTIFIER: US 6680170 B2

TITLE: Polynucleotides encoding STE20-related protein kinases and methods of use

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 13. Document ID: US 6656716 B1

L2: Entry 13 of 22

File: USPT

Dec 2, 2003

US-PAT-NO: 6656716

DOCUMENT-IDENTIFIER: US 6656716 B1

h e b b cg b cc e

TITLE: Polypeptide fragments of human PAK5 protein kinase

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 14. Document ID: US 6498035 B1

L2: Entry 14 of 22

File: USPT

Dec 24, 2002

US-PAT-NO: 6498035

DOCUMENT-IDENTIFIER: US 6498035 B1

TITLE: Antisense modulation of MEKK3 expression

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 15. Document ID: US 6495331 B1

L2: Entry 15 of 22

File: USPT

Dec 17, 2002

US-PAT-NO: 6495331

DOCUMENT-IDENTIFIER: US 6495331 B1

**** See image for Certificate of Correction ****

TITLE: Regulation of cytokine production in a hematopoietic cell

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 16. Document ID: US 6313373 B1

L2: Entry 16 of 22

File: USPT

Nov 6, 2001

US-PAT-NO: 6313373

DOCUMENT-IDENTIFIER: US 6313373 B1

TITLE: Tissue specific promoters and transgenic mouse for the screening of pharmaceuticals

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 17. Document ID: US 6312934 B1

L2: Entry 17 of 22

File: USPT

Nov 6, 2001

US-PAT-NO: 6312934

DOCUMENT-IDENTIFIER: US 6312934 B1

**** See image for Certificate of Correction ****

TITLE: Human MEKK proteins, corresponding nucleic acid molecules, and uses therefor

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 18. Document ID: US 6168950 B1

L2: Entry 18 of 22

File: USPT

Jan 2, 2001

US-PAT-NO: 6168950

DOCUMENT-IDENTIFIER: US 6168950 B1

TITLE: Antisense modulation of MEKK1 expression

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 19. Document ID: US 5989885 A

L2: Entry 19 of 22

File: USPT

Nov 23, 1999

US-PAT-NO: 5989885

DOCUMENT-IDENTIFIER: US 5989885 A

**** See image for Certificate of Correction ****

TITLE: Specific mutations of map kinase 4 (MKK4) in human tumor cell lines identify it as a tumor suppressor in various types of cancer

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 20. Document ID: US 5910417 A

L2: Entry 20 of 22

File: USPT

Jun 8, 1999

US-PAT-NO: 5910417

DOCUMENT-IDENTIFIER: US 5910417 A

TITLE: Regulation of cytokine production in a hematopoietic cell

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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Terms	Documents
L1 with human	22

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[Previous Page](#)[Next Page](#)[Go to Doc#](#)

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Search Results - Record(s) 21 through 22 of 22 returned.

☐ 21. Document ID: JP 2003505074 W, US 6168950 B1, WO 200107594 A1, AU 200061141 A, EP 1200573 A1

Using default format because multiple data bases are involved.

L2: Entry 21 of 22

File: DWPI

Feb 12, 2003

DERWENT-ACC-NO: 2001-122264

DERWENT-WEEK: 200321

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TITLE: New antisense compound targeting nucleic acid encoding human mitogen-activated protein kinase kinase 1 (MEKK1), useful for treating diseases or conditions associated with MEKK1 expression, or preventing inflammation or tumor formation

INVENTOR: COWSERT, L M; GAARDE, W A ; MONIA, B P ; WARD, D T ; GAARDE, W

PRIORITY-DATA: 1999US-0359756 (July 23, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>JP 2003505074 W</u>	February 12, 2003		099	C12N015/09
<u>US 6168950 B1</u>	January 2, 2001		035	C07H021/04
<u>WO 200107594 A1</u>	February 1, 2001	E	000	C12N015/00
<u>AU 200061141 A</u>	February 13, 2001		000	C12N015/00
<u>EP 1200573 A1</u>	May 2, 2002	E	000	C12N015/00

INT-CL (IPC): A61 K 31/712; A61 K 31/7125; A61 K 48/00; A61 P 35/00; C07 H 21/04; C12 N 15/00; C12 N 15/09; C12 N 15/11 ; C12 N 15/85; C12 Q 1/68

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Knowl	Draw De
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☐ 22. Document ID: WO 9947686 A2, AU 9933544 A, US 6312934 B1

L2: Entry 22 of 22

File: DWPI

Sep 23, 1999

DERWENT-ACC-NO: 1999-571843

DERWENT-WEEK: 200270

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TITLE: New human MEKK polynucleotides and polypeptides, used for regulating signal transduction in cells

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L1 with human	22

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and searchable
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changes
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NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
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NEWS 12 APR 26 PROMT: New display field available
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field
available
NEWS 14 APR 26 LITAlert now available on STN
NEWS 15 APR 27 NLDB: New search and display fields available
NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May
and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20 May 17 FRFULL now available on STN
NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004
Conference
NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient patent
SDIs in CAPLUS
NEWS 23 May 27 CAPLUS super roles and document types searchable in REGISTRY
NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004

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AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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=> s mekk1
L1 2461 MEKK1
=> s l1 (5a) human
10 FILES SEARCHED...
L2 71 L1 (5A) HUMAN

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 30 DUP REM L2 (41 DUPLICATES REMOVED)

=> d 1-10

L3 ANSWER 1 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:25962 HCAPLUS
DN 140:249108
TI RhoA Binds to the Amino Terminus of MEKK1 and Regulates Its Kinase
Activity
AU Gallagher, Ewen D.; Gutowski, Stephen; Sternweis, Paul C.; Cobb, Melanie
H.
CS Department of Pharmacology, University of Texas Southwestern Medical
Center, Dallas, TX, 75390-9041, USA
SO Journal of Biological Chemistry (2004), 279(3), 1872-1877
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:260939 HCAPLUS
DN 138:283312
TI Protein and cDNA sequences of a human mitogen-activated protein kinase
kinase 2 (MEKK2)
IN Whalen, Anne M.; Cook, Christopher K.; Sikorski, James A.
PA Atherogenics, Inc., USA
SO U.S. Pat. Appl. Publ., 54 pp.
CODEN: USXXCO
DT Patent

English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003064496	A1	20030403	US 2002-163811	20020605
US 2004019918	A1	20040129	US 2003-456422	20030605
US 2002-163811	A	20020605		
US 2002-453712P	P	20020605		

ANSWER 3 OF 30 MEDLINE on STN DUPLICATE 1

2003173816 MEDLINE

PubMed ID: 12584189

Glycogen synthase kinase 3 beta is a natural activator of mitogen-activated protein kinase/extracellular signal-regulated kinase kinase 1 (MEKK1).

Kim Jin Woo; Lee Ji Eun; Kim Myung Jin; Cho Eun-Gyung; Cho Ssang-Goo; Choi Eui-Ju

National Creative Research Initiative Center for Cell Death, Graduate School of Life Science and Biotechnology, Korea University, Seoul 136-701, Korea.

Journal of biological chemistry, (2003 Apr 18) 278 (16) 13995-4001.

Journal code: 2985121R. ISSN: 0021-9258.

United States

Journal; Article; (JOURNAL ARTICLE)

English

Priority Journals

200305

Entered STN: 20030416

Last Updated on STN: 20030523

Entered Medline: 20030522

ANSWER 4 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN

2003:912135 HCAPLUS

139:394138

Mitogenic effect of orphan receptor TR3 and its regulation by MEKK1 in lung cancer cells

Kolluri, Siva Kumar; Bruey-sedano, Nathalie; Cao, Xihua; Lin, Bingzhen;

Lin, Feng; Han, Young-hoon; Dawson, Marcia I.; Zhang, Xiao-kun

Cancer Center, The Burnham Institute, La Jolla, CA, 92037, USA

Molecular and Cellular Biology (2003), 23(23), 8651-8667

CODEN: MCEBD4; ISSN: 0270-7306

American Society for Microbiology

Journal

English

CNT 69 THERE ARE 69 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 5 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN

2003:277464 HCAPLUS

138:399771

Involvement of MEKK1/ERK/p21waf1/Cip1 signal transduction pathway in inhibition of IGF-I-mediated cell growth response by methylglyoxal

Du, Jun; Cai, Shaohui; Suzuki, Haruhiko; Akhand, Anwarul A.; Ma, Xiuyang;

Takagi, Yoshikazu; Miyata, Toshio; Nakashima, Izumi; Nagase, Fumihiko

Department of Medical Technology, Nagoya University School of Health

Sciences, Aichi, 461-8673, Japan

Journal of Cellular Biochemistry (2003), 88(6), 1235-1246

CODEN: JCEBD5; ISSN: 0730-2312

Wiley-Liss, Inc.

Journal

English

CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 6 OF 30 MEDLINE on STN

DUPLICATE 2

2003056106 MEDLINE

PubMed ID: 12565821

The kinase domain of MEKK1 induces apoptosis by dysregulation of MAP kinase pathways.

Boldt Simone; Weidle Ulrich H; Kolch Walter

Beatson Institute for Cancer Research, Cancer Research UK, Garscube

Estate, Switchback Road, Bearsden, Glasgow G61 1BD, UK..

sboldt@beatson.gla.ac.uk

Experimental cell research, (2003 Feb 1) 283 (1) 80-90.

Journal code: 0373226. ISSN: 0014-4827.

United States

Journal; Article; (JOURNAL ARTICLE)
English
Priority Journals
200303
Entered STN: 20030205
Last Updated on STN: 20030313
Entered Medline: 20030312

ANSWER 7 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
2002:920768 HCAPLUS
138:182723
Regulation of mekk1 and stat3 signaling pathways in growth control
Bild, Andrea Hope
Health Sciences Center, Univ. of Colorado, Denver, CO, USA
(2002) 96 pp. Avail.: UMI, Order No. DA3045745
From: Diss. Abstr. Int., B 2002, 63(3), 1340
Dissertation
English

ANSWER 8 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
2003:984303 HCAPLUS
Correction of: 2002:978087
140:40257
Correction of: 138:53906
Gene expression profiles for diagnosis of breast cancer patients and
classification based on estrogen receptor and BRCA1 and prognosis
Dai, Hongyue; He, Yudong; Linsley, Peter S.; Mao, Mao; Roberts,
Christopher J.; Van't Veer, Laura Johanna; Van de Vijver, Marc J.;
Bernards, Rene; Hart, A. A. M.
Rosetta Inpharmatics, Inc., USA
PCT Int. Appl., 187 pp.
CODEN: PIXXD2
Patent
English

CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002103320	A2	20021227	WO 2002-US18947	20020614
WO 2002103320	A3	20030731		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1410011	A2	20040421	EP 2002-746538	20020614
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 2001-298918P	P	20010618		
US 2002-380710P	P	20020514		
WO 2002-US18947	W	20020614		

ANSWER 9 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
2002:933334 HCAPLUS
138:167363
Activation of SAPK/JNK signaling by Protein Kinase C.delta. in Response to
DNA Damage
Yoshida, Kiyotsugu; Miki, Yoshio; Kufe, Donald
Dana Farber Cancer Inst., Harvard Med. Sch., Boston, MA, 02115, USA
Journal of Biological Chemistry (2002), 277(50), 48372-48378
CODEN: JBCHA3; ISSN: 0021-9258
American Society for Biochemistry and Molecular Biology
Journal
English

CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 10 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
2002:505721 HCAPLUS
137:245071
Activation of human monoamine oxidase B gene expression by a protein
kinase C MAPK signal transduction pathway involves c-Jun and Egr-1
Wong, Wai K.; Ou, Xiao-Ming; Chen, Kevin; Shih, Jean C.

CS Department of Molecular Pharmacology and Toxicology, School of Pharmacy,
University of Southern California, Los Angeles, CA, 90089-9121, USA
SO Journal of Biological Chemistry (2002), 277(25), 22222-22230
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11-20

L3 ANSWER 11 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:621429 HCAPLUS
DN 138:284914
TI Dominant negative MEKK1 inhibits survival of pancreatic cancer cells
AU Hirano, Tatsuya; Shino, Yuji; Saito, Takeshi; Komoda, Fumitake; Okutomi,
Yoshiyuki; Takeda, Akiko; Ishihara, Takeshi; Yamaguchi, Taketo; Saisho,
Hiromitsu; Shirasawa, Hiroshi
CS Department of Medicine and Clinical Oncology, Graduate School of Medicine,
Chiba University, Chiba, 260-8670, Japan
SO Oncogene (2002), 21(38), 5923-5928
CODEN: ONCNES; ISSN: 0950-9232
PB Nature Publishing Group
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 12 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:646635 HCAPLUS
DN 138:214969
TI Cell stress and MEKK1-mediated c-Jun activation modulate NF.kappa.B
activity and cell viability
AU Sanchez-Perez, Isabel; Benitah, Salvador Aznar; Martinez-Gomariz,
Montserrat; Lacal, Juan Carlos; Perona, Rosario
CS Instituto de Investigaciones Biomedicas Consejo Superior de
Investigaciones Cientificas-Universidad Autonoma de Madrid, Madrid, 28029,
Spain
SO Molecular Biology of the Cell (2002), 13(8), 2933-2945
CODEN: MBCEEV; ISSN: 1059-1524
PB American Society for Cell Biology
DT Journal
LA English
RE.CNT 75 THERE ARE 75 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 13 OF 30 MEDLINE on STN DUPLICATE 3
AN 2002436443 MEDLINE
DN PubMed ID: 12194859
TI NPK1, an MEKK1-like mitogen-activated protein kinase kinase kinase,
regulates innate immunity and development in plants.
AU Jin Hailing; Axtell Michael J; Dahlbeck Douglas; Ekwenna Obi; Zhang
Shuqun; Staskawicz Brian; Baker Barbara
CS Department of Plant and Microbial Biology, University of California,
Berkeley, 94720, USA.
SO Developmental cell, (2002 Aug) 3 (2) 291-7.
Journal code: 101120028. ISSN: 1534-5807.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200210
ED Entered STN: 20020827
Last Updated on STN: 20021002
Entered Medline: 20021001

L3 ANSWER 14 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:472369 HCAPLUS
DN 137:74615
TI Induced Proliferation of Human MRC-5 Cells by Nitrogen Oxides via Direct
and Indirect Activation of MEKK1, JNK, and p38 Signals
AU Chou, Fen-Pi; Tseng, Tsui-Hwa; Chen, Jing-Hsien; Wang, Hsue-Chun; Wang,
Chau-Jong
CS Institute of Biochemistry, Chung Shan Medical University, Taichung, Taiwan

SO Toxicology and Applied Pharmacology (2002), 181(3), 203-208
CODEN: TXAPA9; ISSN: 0041-008X
PB Elsevier Science
DT Journal
LA English
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 15 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 4
AN 2001:10070 HCAPLUS
DN 134:82715
TI Antisense modulation of MEKK1 expression for therapeutic application
IN Monia, Brett P.; Gaarde, William; Ward, Donna T.; Cowsert, Lex M.
PA Isis Pharmaceuticals, Inc., USA
SO U.S., 35 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6168950	B1	20010102	US 1999-359756	19990723
	WO 2001007594	A1	20010201	WO 2000-US19747	20000720
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1200573	A1	20020502	EP 2000-947557	20000720
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	US 1999-359756	A	19990723		
	WO 2000-US19747	W	20000720		

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 16 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:728869 HCAPLUS
DN 136:18304
TI Expression of human cystatin A by keratinocytes is positively regulated via the Ras/MEKK1/MKK7/JNK signal transduction pathway but negatively regulated via the Ras/Raf-1/MEK1/ERK pathway
AU Takahashi, Hidetoshi; Honma, Masaru; Ishida-Yamamoto, Akemi; Namikawa, Kazuhiko; Kiyama, Hiroshi; Iizuka, Hajime
CS Department of Dermatology, Asahikawa Medical College, Asahikawa, 078-8510, Japan
SO Journal of Biological Chemistry (2001), 276(39), 36632-36638
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 17 OF 30 MEDLINE on STN DUPLICATE 5
AN 2001464785 MEDLINE
DN PubMed ID: 11509655
TI Transcriptional hyperactivity of human progesterone receptors is coupled to their ligand-dependent down-regulation by mitogen-activated protein kinase-dependent phosphorylation of serine 294.
AU Shen T; Horwitz K B; Lange C A
CS Department of Medicine, The Molecular Biology Program, and The Colorado Cancer Center, University of Colorado Health Sciences Center, Denver, Colorado 80262, USA.
NC CA26869 (NCI)
DK48238 (NIDDK)
DK53825 (NIDDK)
SO Molecular and cellular biology, (2001 Sep) 21 (18) 6122-31.
Journal code: 8109087. ISSN: 0270-7306.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English

FS Priority Journals
EM 200109
ED Entered STN: 20010820
Last Updated on STN: 20020420
Entered Medline: 20010920

L3 ANSWER 18 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:506424 HCAPLUS
DN 135:240015
TI Distinctive gene expression profiles associated with Hepatitis B virus
.times. protein
AU Wu, Chuan-Ging; Salvay, David M.; Forgues, Marshonna; Valerie, Kristoffer;
Farnsworth, Julie; Markin, Rodney S.; Wang, Xin Wei
CS Laboratory of Human Carcinogenesis, National Cancer Institute, Bethesda,
MD, 20892-4255, USA
SO Oncogene (2001), 20(28), 3674-3682
CODEN: ONCNES; ISSN: 0950-9232
PB Nature Publishing Group
DT Journal
LA English
RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 19 OF 30 MEDLINE on STN DUPLICATE 6
AN 2001696649 MEDLINE
DN PubMed ID: 11746500
TI Modulation of human cytomegalovirus immediate-early gene enhancer by
mitogen-activated protein kinase kinase kinase-1.
AU Sun B; Harrowe G; Reinhard C; Yoshihara C; Chu K; Zhuo S
CS Chiron Corporation, 4560 Horton Street, Emeryville, California 94608-2916,
USA.
SO Journal of cellular biochemistry, (2001) 83 (4) 563-73.
Journal code: 8205768. ISSN: 0730-2312.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200202
ED Entered STN: 20011218
Last Updated on STN: 20020420
Entered Medline: 20020204

L3 ANSWER 20 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:293122 HCAPLUS
DN 135:355993
TI Abnormal NF- κ B signaling pathway with enhanced susceptibility to
apoptosis in immortalized keratinocytes
AU Chaturvedi, V.; Qin, J.-Z.; Denning, M. F.; Choubey, D.; Diaz, M. O.;
Nickoloff, B. J.
CS Skin Cancer Research Laboratories, Department of Pathology, Loyola
University Medical Center, Cardinal Bernardin Center, Maywood, IL, 60153,
USA
SO Journal of Dermatological Science (2001), 26(1), 67-78
CODEN: JDSCEI; ISSN: 0923-1811
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 21-30

L3 ANSWER 21 OF 30 MEDLINE on STN DUPLICATE 7
AN 2001305625 MEDLINE
DN PubMed ID: 11075819
TI ***MEKK1*** activation of ***human*** estrogen receptor alpha and
stimulation of the agonistic activity of 4-hydroxytamoxifen in endometrial
and ovarian cancer cells.
AU Lee H; Jiang F; Wang Q; Nicosia S V; Yang J; Su B; Bai W
CS Department of Pathology, University of South Florida College of Medicine
and H. Lee Moffitt Cancer Center, Tampa 33612-4799, USA.
NC R29 CA-79530 (NCI)
SO Molecular endocrinology (Baltimore, Md.), (2000 Nov) 14 (11) 1882-96.
Journal code: 8801431. ISSN: 0888-8809.
CY United States

DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200105
ED Entered STN: 20010604
Last Updated on STN: 20020420
Entered Medline: 20010531

L3 ANSWER 22 OF 30 MEDLINE on STN DUPLICATE 8
AN 2000107367 MEDLINE
DN PubMed ID: 10639576
TI Cisplatin-resistance involves the defective processing of ****MEKK1****
in ****human**** ovarian adenocarcinoma 2008/C13 cells.
AU Gebauer G; Mirakhur B; Nguyen Q; Shore S K; Simpkins H; Dhanasekaran N
CS Fels Institute for Cancer Research and Molecular Biology, Temple
NC University School of Medicine, Philadelphia, PA 19140, USA.
SO GM49897 (NIGMS)
International journal of oncology, (2000 Feb) 16 (2) 321-5.
Journal code: 9306042. ISSN: 1019-6439.

CY Greece
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200003
ED Entered STN: 20000320
Last Updated on STN: 20020420
Entered Medline: 20000307

L3 ANSWER 23 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:192958 HCAPLUS
DN 132:306670
TI The gene MAPK8IP1, encoding islet-brain-1, is a candidate for type 2
diabetes
AU Waeber, Gerard; Delplanque, Jerome; Bonny, Christophe; Mooser, Vincent;
Steinmann, Myriam; Widmann, Christian; Maillard, Anne; Miklossy, Judith;
Dina, Christian; Hani, El Habib; Vionnet, Nathalie; Nicod, Pascal; Boutin,
CS Philippe; Froguel, Philippe
Department of Internal Medicine, CHUV-University Hospital, Lausanne,
Switz.
SO Nature Genetics (2000), 24(3), 291-295
CODEN: NGENEC; ISSN: 1061-4036
PB Nature America

DT Journal
LA English
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 24 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 9
AN 1999:529266 HCAPLUS
DN 131:154490
TI MEKK1 proteins and fragments thereof for use in regulating apoptosis
IN Johnson, Gary L.
PA Cadus Pharmaceutical Corporation, USA
SO PCT Int. Appl., 149 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9941385	A1	19990819	WO 1999-US2974	19990212
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9932895	A1	19990830	AU 1999-32895	19990212
	US 2002055130	A1	20020509	US 2001-858754	20010516
	US 2002146798	A1	20021010	US 2001-864	20011031
PRAI	US 1998-23130	A1	19980213		
	US 1997-39740P	P	19970214		
	US 1998-78153P	P	19980316		

US 1998-99165P P 19980904
WO 1999-US2974 W 19990212
US 2000-423890 A1 20000306

E.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

3 ANSWER 25 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
N 1999:777772 HCAPLUS
N 132:106205
I The human T-cell leukemia virus type-1 Tax protein regulates the activity
U of the I.kappa.B kinase complex
S Li, Xiao Hua; Murphy, Kathleen M.; Palka, Kevin T.; Surabhi, Rama Mohan;
S Gaynor, Richard B.
O Division of Hematology-Oncology, Department of Medicine, Simmons Cancer
T Center, University of Texas Southwestern Medical Center, Dallas, TX,
A 75235-8594, USA
E.CNT 78 JOURNAL OF BIOLOGICAL CHEMISTRY (1999), 274(48), 34417-34424
CODEN: JBCHA3; ISSN: 0021-9258
American Society for Biochemistry and Molecular Biology
Journal
English

E.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

3 ANSWER 26 OF 30 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
N 2000:103400 BIOSIS
N PREV200000103400
I MEKK1 suppresses oxidative stress-induced apoptosis of embryonic stem
U cell-derived cardiac myocytes.
S Minamino, Tetsuo; Yujiri, Toshiaki; Papst, Philip J.; Chan, Edward D.;
O Johnson, Gary L.; Terada, Naohiro [Reprint author]
DT Department of Pathology, University of Florida College of Medicine,
A Gainesville, FL, 32610, USA
D Proceedings of the National Academy of Sciences of the United States of
E America, (Dec. 21, 1999) Vol. 96, No. 26, pp. 15127-15132. print.
CODEN: PNASA6. ISSN: 0027-8424.
Article
English
Entered STN: 22 Mar 2000
Last Updated on STN: 3 Jan 2002

3 ANSWER 27 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
N 1998:638916 HCAPLUS
N 129:340468
I Regulation of human involucrin promoter activity by a protein kinase C,
U Ras, MEKK1, MEK3, p38/RK, AP1 signal transduction pathway
S Efimova, Tatiana; LaCelle, Peter; Welter, Jean F.; Eckert, Richard L.
O Department of Physiology and Biophysics, Case Western Reserve University
DT School of Medicine, Cleveland, OH, 44106-4970, USA
A Journal of Biological Chemistry (1998), 273(38), 24387-24395
CODEN: JBCHA3; ISSN: 0021-9258
American Society for Biochemistry and Molecular Biology
Journal
English

RE.CNT 82 THERE ARE 82 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

3 ANSWER 28 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
N 1998:762088 HCAPLUS
N 130:121254
I JNK1 organizes a MAP kinase module through specific and sequential
U interactions with upstream and downstream components mediated by its
S amino-terminal extension
O Xia, Ying; Wu, Zhenguo; Su, Bing; Murray, Brion; Karin, Michael
DT Lab. Gene Regulation and Signal Transduction, Dep. Pharmacology, Univ.
A California San Diego, La Jolla, CA, 92093-0636, USA
E Genes & Development (1998), 12(21), 3369-3381
CODEN: GEDEEP; ISSN: 0890-9369
Cold Spring Harbor Laboratory Press
Journal
English

RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

3 ANSWER 29 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
N 1997:581035 HCAPLUS

127:289687
Activation of the c-Jun N-terminal kinase pathway by a novel protein
kinase related to human germinal center kinase
Diener, Katrina; Wang, Xuhong Sunny; Chen, Cecil; Meyer, Christian F.;
Keesler, George; Zukowski, Mark; Tan, Tse-Hua; Yao, Zhengbin
Amgen Inc., Boulder, CO, 80301, USA
Proceedings of the National Academy of Sciences of the United States of
America (1997), 94(18), 9687-9692
CODEN: PNASA6; ISSN: 0027-8424
National Academy of Sciences
Journal
English

ANSWER 30 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
1997:94952 HCAPLUS
126:197932

Activation of the I.kappa.B.alpha. kinase complex by MEKK1, a kinase of
the JNK pathway
Lee, Frank S.; Hagler, Jeremiah; Chen, Zhijian J.; Maniatis, Tom
Dep. Mol. Cellular Biology, Harvard Univ., Cambridge, MA, 02138, USA
Cell (Cambridge, Massachusetts) (1997), 88(2), 213-222
CODEN: CELLB5; ISSN: 0092-8674
Cell Press
Journal
English

RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l1 (5a)(sequence or gene)
6 FILES SEARCHED...
L4 155 L1 (5A)(SEQUENCE OR GENE)

=> dup rem l4
PROCESSING COMPLETED FOR L4
L5 54 DUP REM L4 (101 DUPLICATES REMOVED)

=> s l5 not l3
L6 45 L5 NOT L3

=> d 1-10

ANSWER 1 OF 45 MEDLINE on STN
2002326566 MEDLINE
DN PubMed ID: 12048245
TI MEKK1 plays a critical role in activating the transcription factor
C/EBP-beta-dependent gene expression in response to IFN-gamma.
AU Roy Sanjit K; Hu Junbo; Meng Qingjun; Xia Ying; Shapiro Paul S; Reddy
Sekhar P M; Plataniias Leonidas C; Lindner Daniel J; Johnson Peter F;
Pritchard Catrin; Pages Gilles; Pouyssegur Jacques; Kalvakolanu Dhananjaya
V
CS Department of Microbiology and Immunology, Molecular and Cellular Biology
Program, Greenebaum Cancer Center, University of Maryland School of
Medicine, Baltimore, MD 21201, USA.
NC CA 71401 (NCI)
CA 73881 (NCI)
CA 77816 (NCI)
CA 78282 (NCI)
HL 58122 (NHLBI)
SO Proceedings of the National Academy of Sciences of the United States of
America, (2002 Jun 11) 99 (12) 7945-50.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200208
ED Entered STN: 20020619
Last Updated on STN: 20030105
Entered Medline: 20020802

ANSWER 2 OF 45 MEDLINE on STN
2002171744 MEDLINE
DN PubMed ID: 11903060
TI Opposing roles of serine/threonine kinases MEKK1 and LOK in regulating the
CD28 responsive element in T-cells.

AU Tao Li; wadsworth Scott; Mercer Jason; Mueller Cynthia; Lynn Kirsten;
CS Siekierka John; August Avery
R. W. Johnson Pharmaceutical Research Institute, Drug Discovery Research,
Biochemical journal, (2002 Apr 1) 363 (Pt 1) 175-82.
Journal code: 2984726R. ISSN: 0264-6021.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200205
ED Entered STN: 20020321
Last Updated on STN: 20020518
Entered Medline: 20020517

L6 ANSWER 3 OF 45 MEDLINE on STN
AN 2001574643 MEDLINE
DN PubMed ID: 11682062
TI Cycloprodigiosin hydrochloride suppresses tumor necrosis factor (TNF)
alpha-induced transcriptional activation by NF-kappaB.
AU Kamata K; Okamoto S; Oka S; Kamata H; Yagisawa H; Hirata H
CS Department of Life Science, Faculty of Science, Himeji Institute of
Technology, kamigori-chou, Akoh-gun, 678-1297, Hyogo, Japan.
SO FEBS letters, (2001 Oct 19) 507 (1) 74-80.
Journal code: 0155157. ISSN: 0014-5793.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200112
ED Entered STN: 20011030
Last Updated on STN: 20020420
Entered Medline: 20011207

L6 ANSWER 4 OF 45 MEDLINE on STN
AN 2001403566 MEDLINE
DN PubMed ID: 11454875
TI MEK6 regulates human involucrin gene expression via a p38alpha - and
p38delta -dependent mechanism.
AU Dashti S R; Efimova T; Eckert R L
CS Case Western Reserve University School of Medicine, Departments of
Physiology and Biophysics, Biochemistry, Reproductive Biology,
Dermatology, and Oncology, Cleveland, Ohio 44106-4970, USA.
SO Journal of biological chemistry, (2001 Jul 20) 276 (29) 27214-20.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 20010827
Last Updated on STN: 20030105
Entered Medline: 20010823

L6 ANSWER 5 OF 45 MEDLINE on STN
AN 2001345675 MEDLINE
DN PubMed ID: 11408617
TI Resveratrol inhibits phorbol ester and UV-induced activator protein 1
activation by interfering with mitogen-activated protein kinase pathways.
AU Yu R; Hebbar V; Kim D W; Mandlekar S; Pezzuto J M; Kong A N
CS Department of Pharmaceuticals and Pharmacodynamics, Center for
Pharmaceutical Biotechnology, College of Pharmacy, University of Illinois
at Chicago, Chicago, Illinois, USA.
NC R01-CA73647 (NCI)
SO Molecular pharmacology, (2001 Jul) 60 (1) 217-24.
Journal code: 0035623. ISSN: 0026-895X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200107
ED Entered STN: 20010709
Last Updated on STN: 20010709
Entered Medline: 20010705

L6 ANSWER 6 OF 45 MEDLINE on STN

AN 2001290699 MEDLINE
 DN PubMed ID: 11244091
 TI MEK7-dependent activation of p38 MAP kinase in keratinocytes.
 AU Dashti S R; Efimova T; Eckert R L
 CS Departments of Physiology and Biophysics, Case Western Reserve University
 School of Medicine, Cleveland, Ohio 44106-4970, USA.
 SO Journal of biological chemistry, (2001 Mar 16) 276 (11) 8059-63.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200106
 ED Entered STN: 20010625
 Last Updated on STN: 20030105
 Entered Medline: 20010621

L6 ANSWER 7 OF 45 MEDLINE on STN
 AN 2001098470 MEDLINE
 DN PubMed ID: 10986282
 TI Activation of mitogen-activated protein kinase pathways induces
 antioxidant response element-mediated gene expression via a Nrf2-dependent
 mechanism.
 AU Yu R; Chen C; Mo Y Y; Hebbar V; Owuor E D; Tan T H; Kong A N
 CS Department of Pharmaceuticals and Pharmacodynamics and Center for
 Pharmaceutical Biotechnology, College of Pharmacy, University of Illinois,
 Chicago, Illinois 60612, USA.
 NC R01AI38649 (NIAID)
 R01AI42532 (NIAID)
 R01CA73647 (NCI)
 SO Journal of biological chemistry, (2000 Dec 22) 275 (51) 39907-13.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200102
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010201

L6 ANSWER 8 OF 45 MEDLINE on STN
 AN 2001037773 MEDLINE
 DN PubMed ID: 11032806
 TI MEKK2 gene disruption causes loss of cytokine production in response to
 IgE and c-Kit ligand stimulation of ES cell-derived mast cells.
 AU Garrington T P; Ishizuka T; Papst P J; Chayama K; Webb S; Yujiri T; Sun W;
 Sather S; Russell D M; Gibson S B; Keller G; Gelfand E W; Johnson G L
 CS Department of Pharmacology and University of Colorado Cancer Center,
 University of Colorado Health Sciences Center, Denver, CO 80206, USA.
 NC CA85276 (NCI)
 DK37871 (NIDDK)
 GM30324 (NIGMS)
 +
 SO EMBO journal, (2000 Oct 16) 19 (20) 5387-95.
 Journal code: 8208664. ISSN: 0261-4189.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200011
 ED Entered STN: 20010322
 Last Updated on STN: 20020420
 Entered Medline: 20001128

L6 ANSWER 9 OF 45 MEDLINE on STN
 AN 2000079618 MEDLINE
 DN PubMed ID: 10611349
 TI MEKK1 suppresses oxidative stress-induced apoptosis of embryonic stem
 cell-derived cardiac myocytes.
 AU Minamino T; Yujiri T; Papst P J; Chan E D; Johnson G L; Terada N
 CS Program in Molecular Signal Transduction, Division of Basic Sciences,
 Department of Pediatrics, National Jewish Medical and Research Center,
 Denver, CO 80206, USA.
 NC CA64685 (NCI)
 DK37381 (NIDDK)

HL03625 (NHLBI)
+
SO Proceedings of the National Academy of Sciences of the United States of
America, (1999 Dec 21) 96 (26) 15127-32.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200001
ED Entered STN: 20000204
Last Updated on STN: 20020420
Entered Medline: 20000127

L6 ANSWER 10 OF 45 MEDLINE on STN
AN 1999055404 MEDLINE
DN PubMed ID: 9836645
TI Role of MEKK1 in cell survival and activation of JNK and ERK pathways
defined by targeted gene disruption.
AU Yujiri T; Sather S; Fanger G R; Johnson G L
CS Program in Molecular Signal Transduction, Division of Basic Sciences,
National Jewish Medical and Research Center, Denver, CO 80206, USA.
NC DK37871 (NIDDK)
GM30324 (NIGMS)
SO Science, (1998 Dec 4) 282 (5395) 1911-4.
Journal code: 0404511. ISSN: 0036-8075.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199812
ED Entered STN: 19990115
Last Updated on STN: 20020420
Entered Medline: 19981228

=> d 11-20

L6 ANSWER 11 OF 45 MEDLINE on STN
AN 97299866 MEDLINE
DN PubMed ID: 9155015
TI MAP kinase- and Rho-dependent signals interact to regulate gene expression
but not actin morphology in cardiac muscle cells.
AU Thorburn J; Xu S; Thorburn A
CS Program in Human Molecular Biology and Genetics, Eccles Institute of Human
Genetics, University of Utah, Salt Lake City 84112, USA.
NC HL 52010 (NHLBI)
SO EMBO journal, (1997 Apr 15) 16 (8) 1888-900.
Journal code: 8208664. ISSN: 0261-4189.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199706
ED Entered STN: 19970716
Last Updated on STN: 20020420
Entered Medline: 19970627

L6 ANSWER 12 OF 45 MEDLINE on STN
AN 97233024 MEDLINE
DN PubMed ID: 9078260
TI Regulation of the activity of MEK kinase 1 (MEKK1) by autophosphorylation
within the kinase activation domain.
AU Deak J C; Templeton D J
CS Institute of Pathology, Case Western Reserve University, Cleveland OH
44106, USA.
NC CA66134 (NCI)
CA68738 (NCI)
SO Biochemical journal, (1997 Feb 15) 322 (Pt 1) 185-92.
Journal code: 2984726R. ISSN: 0264-6021.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199704
ED Entered STN: 19970424

Last Updated on STN: 20020420
Entered Medline: 19970415

L6 ANSWER 13 OF 45 MEDLINE on STN
AN 96224276 MEDLINE
DN PubMed ID: 8643568
TI Cloning of rat MEK kinase 1 cDNA reveals an endogenous membrane-associated
195-kDa protein with a large regulatory domain.
AU Xu S; Robbins D J; Christerson L B; English J M; Vanderbilt C A; Cobb M H
CS Department of Pharmacology, University of Texas Southwestern Medical
Center, Dallas, 75235-9041, USA.
NC DK 34128 (NIDDK)
SO Proceedings of the National Academy of Sciences of the United States of
America, (1996 May 28) 93 (11) 5291-5.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-U48596
EM 199607
ED Entered STN: 19960726
Last Updated on STN: 20020420
Entered Medline: 19960717

L6 ANSWER 14 OF 45 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 2000:809251 SCISEARCH
GA The Genuine Article (R) Number: 363VT
TI Phorbol ester-induced expression of airway squamous cell differentiation
marker, SPRR1B, is regulated by protein kinase C delta/Ras/MEKK1/MKK1-
dependent/AP-1 signal transduction pathway
AU Vuong H; Patterson T; Shapiro P; Kalvakolanu D V; Wu R; Ma W Y; Dong Z G;
Kleeberger S R; Reddy S P M (Reprint)
CS JOHNS HOPKINS UNIV, DEPT ENVIRONM HLTH SCI, DIV PHYSIOL, SCH PUBL HLTH, RM
W7006, 615 N WOLFE ST, BALTIMORE, MD 21205 (Reprint); JOHNS HOPKINS UNIV,
DEPT ENVIRONM HLTH SCI, DIV PHYSIOL, SCH PUBL HLTH, BALTIMORE, MD 21205;
UNIV MARYLAND, SCH PHARM, BALTIMORE, MD 21201; UNIV MARYLAND, SCH MED,
GREENBAUM CANC CTR, BALTIMORE, MD 21201; UNIV CALIF DAVIS, DEPT INTERNAL
MED, SCH MED, DAVIS, CA 95616; UNIV MINNESOTA, HORMEL INST, AUSTIN, MN
55912
CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (13 OCT 2000) Vol. 275, No. 41, pp.
32250-32259.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 75
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L6 ANSWER 15 OF 45 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2004:20795 LIFESCI
TI Subdomain VIII Is a specificity-determining Region in MEKK1
AU Tu, Z.; Lee, F.S.
CS Department of Pathology and Laboratory Medicine, University of
Pennsylvania School of Medicine, Philadelphia, Pennsylvania 19104; E-mail:
franklee@mail.med.upenn.edu
SO Journal of Biological Chemistry [J. Biol. Chem.], (20031128) vol. 278, no.
48, pp. 48498-48505.
ISSN: 0021-9258.
DT Journal
FS N
LA English
SL English

L6 ANSWER 16 OF 45 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2003:7652 LIFESCI
TI Short article NPK1, an MEKK1-like Mitogen-Activated Protein Kinase Kinase
Kinase, Regulates Innate Immunity and Development in Plants
AU Jin, H.; Axtell, M.J.; Dahlbeck, D.; Ekwenna, O.; Zhang, S.; Staskawicz,
B.; Baker, B.
CS Department of Plant and Microbial Biology, University of California,
Berkeley, Berkeley, CA 94720 USA; E-mail: bbaker@socrates.berkeley.edu
SO Developmental Cell [Dev. Cell], (20020800) vol. 3, no. 2, pp. 291-297.

ISSN: 1534-5807.

DT Journal
FS G
LA English
SL English

L6 ANSWER 17 OF 45 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2001:111175 LIFESCI
TI Expression of Human Cystatin A by Keratinocytes Is Positively Regulated
via the Ras/MEKK1/MKK7/JNK Signal Transduction Pathway but Negatively
Regulated via the Ras/Raf-1/MEK1/ERK Pathway
AU Takahashi, H.; Honma, M.; Ishida-Yamamoto, A.; Namikawa, K.; Kiyama, H.;
Iizuka, H.
CS Department of Dermatology, Asahikawa Medical College, Asahikawa, Hokkaido
078-8510, Japan; E-mail: ht@asahikawa-med.ac.jp
SO Journal of Biological Chemistry [J. Biol. Chem.], (20010928) vol. 276, no.
39, pp. 36632-36638.
ISSN: 0021-9258.

DT Journal
FS G
LA English
SL English

L6 ANSWER 18 OF 45 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2001:107071 LIFESCI
TI A Drosophila MAPKKK, D-MEKK1, mediates stress responses through activation
of p38 MAPK
AU Inoue, H.; Tateno, M.; Fujimura-Kamada, K.; Takaesu, G.; Adachi-Yamada,
T.; Ninomiya-Tsuji, J.; Irie, K.; Nishida, Y.; Matsumoto, K.
CS Department of Molecular Biology, Graduate School of Science, Nagoya
University, Nagoya 464-8602, Japan; E-mail: g44177a@nucc.cc.nagoya-u.ac.jp
SO EMBO Journal [EMBO J.], (20011001) vol. 20, no. 19, pp. 5421-5430.
ISSN: 0261-4189.

DT Journal
FS G; Z
LA English
SL English

L6 ANSWER 19 OF 45 LIFESCI COPYRIGHT 2004 CSA on STN
AN 1999:61806 LIFESCI
TI MEK Kinase 1 (MEKK1) Transduces c-Jun NH sub(2)-terminal Kinase Activation
in Response to Changes in the Microtubule Cytoskeleton
AU Yujiri, T.; Fanger, G.R.; Garrington, T.P.; Schlesinger, T.K.; Gibson, S.;
Johnson, G.L.
CS Program in Molecular Signal Transduction, Division of Basic Sciences,
National Jewish Medical and Research Center, Denver, Colorado 80206
SO Journal of Biological Chemistry [J. Biol. Chem.], (19990430) vol. 274, no.
18, pp. 12605-12610.
ISSN: 0021-9258.

DT Journal
FS G
LA English
SL English

L6 ANSWER 20 OF 45 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2004-01320 BIOTECHDS
TI New gene encoding a p38 mitogen activated protein kinase, referred as
D-MEKK1a or D-MEKK1b, useful for producing the kinase protein by
recombinant techniques;
recombinant enzyme protein and insect transformation for use in
disease analysis

PA KAGAKU GIJUTSU SHINKO JIGYODAN
PI JP 2003204791 22 Jul 2003
AI JP 2002-5348 11 Jan 2002
PRAI JP 2002-5348 11 Jan 2002; JP 2002-5348 11 Jan 2002
DT Patent
LA Japanese

=> d 21-30

L6 ANSWER 21 OF 45 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2002-17789 BIOTECHDS
TI New isolated protease resistant mitogen-activated protein kinase kinase
kinase1 protein used for inhibiting apoptosis and treating diseases, such
as, cancer, autoimmune diseases, allergic reactions, and inflammation;

recombinant protein production via plasmid expression in host cell use
in disease therapy and drug screening

AU JOHNSON G L
PA NAT JEWISH CENT IMMUNOLOGY and RESPIRATORY
PI US 2002055130 9 May 2002
AI US 1997-858754 14 Feb 1997
PRAI US 2001-858754 16 May 2001
DT Patent
LA English
OS WPI: 2002-462905 [49]

L6 ANSWER 22 OF 45 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2002-03509 BIOTECHDS
TI New nucleic acid encoding partial raf sequence, useful for identifying
compounds that block binding of raf to its activating kinase as potential
anticancer agent;
plasmid-mediated luciferase reporter gene transfer and expression in
Jurkat cell, antisense, ribozyme and drug screening for cancer gene
therapy

AU Rapp U R; Wirth T
PA Rapp U R; Wirth T
LO Wuerzburg, Germany; Ulm, Germany.
PI WO 2001079501 25 Oct 2001
AI WO 2001-DE1518 17 Apr 2001
PRAI DE 2000-1020138 14 Apr 2000
DT Patent
LA German
OS WPI: 2002-017617 [01]

L6 ANSWER 23 OF 45 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2004:85150 BIOSIS
DN PREV200400088817
TI MEK kinase 1 regulates c-Jun phosphorylation in the control of corneal
morphogenesis.
AU Zhang, Lin; Deng, Maoxian; Kao, Candace W.-C.; Kao, Winston W.-Y.; Xia,
Ying [Reprint Author]
CS Department of Environmental Health, University of Cincinnati Medical
Center, 123 East Shields Street, Cincinnati, OH, 45267-0056, USA
xiay@email.uc.edu
SO Molecular Vision, (3 November 2003) Vol. 9, No. 71 Cited November 7, 2003,
pp. 584-593. <http://www.molvis.org/molvis/v9/a71/zhang.pdf>. cited January
21, 2004. <http://www.molvis.org/molvis/>. online.
ISSN: 1090-0535 (ISSN online).
DT Article
LA English
ED Entered STN: 11 Feb 2004
Last Updated on STN: 11 Feb 2004

L6 ANSWER 24 OF 45 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2003:514435 BIOSIS
DN PREV200300511586
TI ROLE OF MEK KINASE 1 IN MOUSE EYELID MORPHOGENESIS.
AU Xia, Y. [Reprint Author]; Zhang, L. [Reprint Author]; Jester, J. V.; Kao,
W. W. Y.
CS Environmental Health, University of Cincinnati Med Ctr, Cincinnati, OH,
USA
SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
pp. Abstract No. 647. cd-rom.
Meeting Info.: Annual Meeting of the Association for Research in Vision
and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association
for Research in Vision and Ophthalmology.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 5 Nov 2003
Last Updated on STN: 5 Nov 2003

L6 ANSWER 25 OF 45 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:263178 BIOSIS
DN PREV200200263178
TI Left ventricular hypertrophy induced by pressure overload is not inhibited
in MEKK1 deficient mice despite abolishing activation of JNK.
AU Karoor, Vijaya L. [Reprint author]; Wang, Qian [Reprint author]; Montagne,
Olivier [Reprint author]; Yang, Gui-Ping [Reprint author]; Johnson, Gary
L.; Vatner, Stephen F.; Vatner, Dorothy E.; Sadoshima, Junichi
CS Univ of Med and Dentistry of New Jersey, Newark, NJ, USA

Circulation, (October 23, 2001) Vol. 104, No. 17 Supplement, pp.
II.29-II.30. print.
Meeting Info.: Scientific Sessions 2001 of the American Heart Association.
Anaheim, California, USA. November 11-14, 2001. American Heart
Association.
CODEN: CIRCAZ. ISSN: 0009-7322.
Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
English
Entered STN: 1 May 2002
Last Updated on STN: 1 May 2002

ANSWER 26 OF 45 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
2002:263177 BIOSIS
PREV200200263177
MEK kinase-1 (MEKK1, MAP3K1) is indispensable for Gq-induced myocardial
hypertrophy.
Minamino, Tetsuo [Reprint author]; Terada, Naohiro; Yujiri, Toshiaki;
Taffet, George E.; Dorn, Gerald W.; Johnson, Gary L.; Schneider, Michael
D.
Baylor Coll of Med, Houston, TX, USA
Circulation, (October 23, 2001) Vol. 104, No. 17 Supplement, pp. II.29.
print.
Meeting Info.: Scientific Sessions 2001 of the American Heart Association.
Anaheim, California, USA. November 11-14, 2001. American Heart
Association.
CODEN: CIRCAZ. ISSN: 0009-7322.
Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
English
Entered STN: 1 May 2002
Last Updated on STN: 1 May 2002

ANSWER 27 OF 45 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
2001:276735 BIOSIS
PREV200100276735
Regulation of interleukin-2 production by the serine/threonine kinase LOK.
August, Avery [Reprint author]; Tao, Li; Siekierka, John J.
Pennsylvania State University, 115 Henning Bldg., University Park, PA,
16803, USA
FASEB Journal, (March 7, 2001) Vol. 15, No. 4, pp. A703. print.
Meeting Info.: Annual Meeting of the Federation of American Societies for
Experimental Biology on Experimental Biology 2001. Orlando, Florida, USA.
March 31-April 04, 2001.
CODEN: FAJOEC. ISSN: 0892-6638.
Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
English
Entered STN: 13 Jun 2001
Last Updated on STN: 19 Feb 2002

ANSWER 28 OF 45 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
2000:346094 BIOSIS
PREV200000346094
MEK kinase 1 gene disruption alters cell migration and c-Jun NH2-terminal
kinase regulation but does not cause a measurable defect in NF-kappaB
activation.
Yujiri, Toshiaki; Ware, Margaret; Widmann, Christian; Oyer, Ryan; Russell,
David; Chan, Edward; Zaitzu, Yuzuru; Clarke, Penny; Tyler, Kenneth; Oka,
Yoshitomo; Fanger, Gary R.; Henson, Peter; Johnson, Gary L. [Reprint
author]
Program in Molecular Signal Transduction, National Jewish Medical and
Research Center, Denver, CO, 80206, USA
Proceedings of the National Academy of Sciences of the United States of
America, (June 30, 2000) Vol. 97, No. 13, pp. 7272-7277. print.
CODEN: PNASA6. ISSN: 0027-8424.
Article
English
Entered STN: 16 Aug 2000
Last Updated on STN: 7 Jan 2002

ANSWER 29 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
2004:354814 HCAPLUS
140:369937
Drosophila melanogaster genes involved in energy homeostasis and fat
metabolism, their human homologs, and their use for metabolic disorders

Eulenberg, Karsten; Meise, Martin; Molitor, Andreas; Steuernagel, Arnd
Develogen Aktiengesellschaft Fuer Entwicklungsbiologische Forschung,
Germany
PCT Int. Appl., 146 pp.
CODEN: PIXXD2
Patent
English

CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004035082	A2	20040429	WO 2003-EP11352	20031014
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 2002-22880	A	20021014		
EP 2002-23560	A	20021022		
EP 2002-24747	A	20021106		

ANSWER 30 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
2003:147032 HCAPLUS
139:50875

Expressed sequence tag analysis of the human pathogen *Paracoccidioides brasiliensis* yeast phase: Identification of putative homologues of *Candida albicans* virulence and pathogenicity genes
Goldman, Gustavo H.; Marques, Everaldo dos Reis; Ribeiro, Diogenes Custodio Duarte; Bernardes, Luciano Angelo de Souza; Quiapin, Andrea Carla; Vitorelli, Patricia Marostica; Savoldi, Marcela; Semighini, Camile P.; de Oliveira, Regina C.; Nunes, Luiz R.; Travassos, Luiz R.; Puccia, Rosana; Batista, Wagner L.; Ferreira, Leslie Ecker; Moreira, Julio C.; Bogossian, Ana Paula; Tekaia, Fredj; Nobrega, Marina Pasetto; Nobrega, Francisco G.; Goldman, Maria Helena S.
Faculdade de Ciencias Farmaceuticas de Ribeirao Preto, Federal de Sao Paulo, Universidade de Sao Paulo, Sao Paulo, 14040-903, Brazil
Eukaryotic Cell (2003), 2(1), 34-48
CODEN: ECUEA2; ISSN: 1535-9778
American Society for Microbiology
Journal
English

d 31-40

ANSWER 31 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
2003:122955 HCAPLUS
139:33727
MEKK1 Is Required for Inducible Urokinase-type Plasminogen Activator Expression
Witowsky, James; Abell, Amy; Johnson, Nancy Lassignal; Johnson, Gary L.; Cuevas, Bruce D.
Department of Pharmacology, University of Colorado Health Sciences Center, Denver, CO, 80262, USA
Journal of Biological Chemistry (2003), 278(8), 5941-5946
CODEN: JBCHA3; ISSN: 0021-9258
American Society for Biochemistry and Molecular Biology
Journal
English

CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 32 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
2002:879660 HCAPLUS
138:298640
Intracellular calcium and myosin isoform transitions. Calcineurin and calcium-calmodulin kinase pathways regulate preferential activation of the IIa myosin heavy chain promoter
Allen, David L.; Leinwand, Leslie A.
Developmental Biology, Cellular, Department of Molecular, University of Colorado, Boulder, CO, 80309, USA

SO Journal of Biological Chemistry (2002), 277(47), 45323-45330
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 33 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:526993 HCAPLUS
DN 138:21246
TI p115 Rho GTPase activating protein interacts with MEKK1
AU Christerson, Lori B.; Gallagher, Ewen; Vanderbilt, Colleen A.; Whitehurst,
Angelique W.; Wells, Clark; Kazempour, Roxana; Sternweis, Paul C.; Cobb,
Melanie H.
CS Department of Pharmacology, The University of Texas Southwestern Medical
Center, Dallas, TX, 75390-9041, USA
SO Journal of Cellular Physiology (2002), 192(2), 200-208
CODEN: JCLLAX; ISSN: 0021-9541
PB Wiley-Liss, Inc.
DT Journal
LA English
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 34 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:10730 HCAPLUS
DN 136:49326
TI Diagnosis of diseases associated with the immune system using oligomer
probes to detect cytosine methylation state
IN Olek, Alexander; Piepenbrock, Christian; Berlin, Kurt
PA Epigenomics A.-G., Germany
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 68

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002000928	A2	20020103	WO 2001-EP7537	20010702
WO 2002000928	A3	20020801		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
DE 10032529	A1	20020207	DE 2000-10032529	20000630
EP 1274865	A2	20030115	EP 2001-953936	20010406
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2003531589	T2	20031028	JP 2001-575634	20010406
EP 1360319	A2	20031112	EP 2001-955278	20010406
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
DE 20121961	U1	20040129	DE 2001-20121961	20010629
DE 20121971	U1	20040205	DE 2001-20121971	20010629
DE 20121979	U1	20040205	DE 2001-20121979	20010629
EP 1294951	A2	20030326	EP 2001-967115	20010702
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
DE 20121966	U1	20031224	DE 2001-20121966	20010702
DE 20121963	U1	20040129	DE 2001-20121963	20010702
DE 20121967	U1	20040129	DE 2001-20121967	20010702
DE 20121975	U1	20040219	DE 2001-20121975	20010702
DE 20121978	U1	20040219	DE 2001-20121978	20010702
US 2003143606	A1	20030731	US 2002-311455	20021216
US 2004067491	A1	20040408	US 2003-240454	20030311
US 2003162194	A1	20030828	US 2003-240452	20030414
JP 2004008217	A2	20040115	JP 2003-160375	20030605
US 2004023279	A1	20040205	US 2003-455212	20030605
PRAI DE 2000-10032529	A	20000630		
DE 2000-10043826	A	20000901		

DE 2000-10019058 A 20000406
DE 2000-10019173 A 20000407
WO 2001-EP3969 W 20010406
WO 2001-EP4016 W 20010406
EP 2001-967115 A 20010702
WO 2001-EP7537 W 20010702
EP 2002-90203 A 20020605

L6 ANSWER 35 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:886349 HCAPLUS
DN 136:16307
TI Screening of cadmium-responsive genes in *Arabidopsis thaliana*
AU Suzuki, N.; Koizumi, N.; Sano, H.
CS Research and Education Center for Genetic Information, Nara Institute of
Science and Technology, Nara, 630-0101, Japan
SO Plant, Cell and Environment (2001), 24(11), 1177-1188
CODEN: PLCEDV; ISSN: 0140-7791
PB Blackwell Science Ltd.
DT Journal
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 36 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:867565 HCAPLUS
DN 136:116484
TI Modulation of human cytomegalovirus immediate-early gene enhancer by
mitogen-activated protein kinase kinase kinase-1
AU Sun, Bin; Harrowe, Greg; Reinhard, Christoph; Yoshihara, Corinne; Chu,
Keting; Zhuo, Shaoqiu
CS Chiron Corporation, CA, 94608-2916, USA
SO Journal of Cellular Biochemistry (2001), 83(4), 563-573
CODEN: JCEBD5; ISSN: 0730-2312
PB Wiley-Liss, Inc.
DT Journal
LA English
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 37 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:761046 HCAPLUS
DN 136:79408
TI MEKK1 is essential for DT40 cell apoptosis in response to microtubule
disruption
AU Kwan, Raymond; Burnside, Joan; Kurosaki, Tomohiro; Cheng, Genhong
CS Molecular Biology Institute, University of California Los Angeles, Los
Angeles, CA, 90095-1781, USA
SO Molecular and Cellular Biology (2001), 21(21), 7183-7190
CODEN: MCEBD4; ISSN: 0270-7306
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 38 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:747989 HCAPLUS
DN 135:284105
TI Stimulation of cytomegalovirus promoter/enhancer function by methyl
methanesulfonate
IN Eickhoff, Holger; Lehrach, Hans; Ivanov, Alexey V.; Nabirochkina, Elena
N.; Soldatov, Aleksey V.
PA Max-Planck-Gesellschaft Zur Foerderung Der Wissenschaften E.V., Germany
SO PCT Int. Appl., 18 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001075090	A2	20011011	WO 2001-EP3852	20010404
	WO 2001075090	A3	20020321		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,

RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI EP 2000-107052 A 20000404

L6 ANSWER 39 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:232264 HCAPLUS
DN 135:59293
TI c-JUN Gene Induction and AP-1 Activity Is Regulated by a JNK-Dependent
Pathway in Hypoxic HepG2 Cells
AU Minet, E.; Michel, G.; Mottet, D.; Piret, J.-P.; Barbieux, A.; Raes, M.;
Michiels, C.
CS Laboratoire de Biochimie et Biologie Cellulaire, FUNDP, Namur, 5000, Belg.
SO Experimental Cell Research (2001), 265(1), 114-124
CODEN: ECREAL; ISSN: 0014-4827
PB Academic Press
DT Journal
LA English
RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 40 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:84978 HCAPLUS
DN 132:133888
TI Forkhead-associated domain protein MIF1 interacting with ***MEKK1***
kinases and the ***gene*** encoding it and the regulation of the MEKK
signal transduction pathway
IN Marcireau, Christophe; Multon, Marie-christine; Polard-housset, Valerie
PA Rhône-Poulenc Rorer S.A., Fr.
SO PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000005362	A1	20000203	WO 1999-EP5142	19990721
	W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9955057	A1	20000214	AU 1999-55057	19990721
	AU 764094	B2	20030807		
	EP 1100913	A1	20010523	EP 1999-941444	19990721
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002524026	T2	20020806	JP 2000-561308	19990721
PRAI	US 1998-93590P	P	19980721		
	WO 1999-EP5142	W	19990721		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L6 ANSWER 41 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:693756 HCAPLUS
DN 132:32532
TI JSAP1, a novel Jun N-terminal protein kinase (JNK)-binding protein that
functions as a scaffold factor in the JNK signaling pathway
AU Ito, Michihiko; Yoshioka, Katsuji; Akechi, Mizuho; Yamashita, Shinya;
Takamatsu, Nobuhiko; Sugiyama, Kenji; Hibi, Masahiko; Nakabeppu, Yusaku;
Shiba, Tadayoshi; Yamamoto, Ken-Ichi
CS Department of Biosciences, School of Science, Kitasato University,
Kanagawa, 228, Japan
SO Molecular and Cellular Biology (1999), 19(11), 7539-7548
CODEN: MCEBD4; ISSN: 0270-7306
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 42 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:506616 HCAPLUS
 DN 131:296142
 TI Identification of .beta.-amyloid-responsive genes by RNA differential
 display: early induction of a DNA damage-inducible gene, gadd45
 AU Santiard-Baron, Dominique; Gosset, Philippe; Nicole, Annie; Sinet,
 Pierre-Marie; Christen, Yves; Ceballos-Picot, Irene
 CS CNRS URA1335, CHU Necker-Enfants Malades, Paris, 75743, Fr.
 SO Experimental Neurology (1999), 158(1), 206-213
 CODEN: EXNEAC; ISSN: 0014-4886
 PB Academic Press
 DT Journal
 LA English
 RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 43 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1998:560382 HCAPLUS
 DN 129:298959
 TI Stress-induced Fas ligand expression in T cells is mediated through a MEK
 kinase 1-regulated response element in the Fas ligand promoter
 AU Faris, Mary; Latinis, Kevin M.; Kempiak, Stephan J.; Koretzky, Gary A.;
 Nel, Andre
 CS Division of Clinical Immunology and Allergy, Department of Medicine, UCLA
 School of Medicine, Los Angeles, CA, 90095, USA
 SO Molecular and Cellular Biology (1998), 18(9), 5414-5424
 CODEN: MCEBD4; ISSN: 0270-7306
 PB American Society for Microbiology
 DT Journal
 LA English
 RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 44 OF 45 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:663170 HCAPLUS
 DN 127:343208
 TI Identification of c-Jun NH2-terminal protein kinase (JNK)-activating
 kinase 2 as an activator of JNK but not p38
 AU Lu, Xianghuai; Nemoto, Shino; Lin, Anning
 CS Department of Pathology, Division of Molecular and Cellular Pathology, the
 University of Alabama at Birmingham, Birmingham, AL, 35294, USA
 SO Journal of Biological Chemistry (1997), 272(40), 24751-24754
 CODEN: JBCHA3; ISSN: 0021-9258
 PB American Society for Biochemistry and Molecular Biology
 DT Journal
 LA English

L6 ANSWER 45 OF 45 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
 AN 1999-571843 [48] WPIDS
 CR 1999-508649 [42]; 2002-462905 [49]
 DNN N1999-421409 DNC C1999-166876
 TI New human MEKK polynucleotides and polypeptides, used for regulating
 signal transduction in cells.
 DC B04 D16 P14 S03
 IN JOHNSON, G L
 PA (CADU-N) CADUS PHARM CORP; (NAJE-N) NAT JEWISH CENT IMMUNOLOGY &
 RESPIRATORY
 CYC 22
 PI WO 9947686 A2 19990923 (199948)* EN 159 C12N015-54
 RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 W: AU CA JP US
 AU 9933544 A 19991011 (200008)
 US 6312934 B1 20011106 (200170) C12N009-12
 ADT WO 9947686 A2 WO 1999-US5556 19990315; AU 9933544 A AU 1999-33544
 19990315; US 6312934 B1 Provisional US 1998-78153P 19980316, Provisional
 US 1998-99165P 19980904, WO 1999-US5556 19990315, US 2000-423890 20000306
 FDT AU 9933544 A Based on WO 9947686; US 6312934 B1 Based on WO 9947686
 PRAI US 1998-99165P 19980904; US 1998-78153P 19980316;
 US 2000-423890 20000306
 IC ICM C12N009-12; C12N015-54
 ICS A01K067-027; A61K031-00; C07H021-04; C07K016-40; C07K019-00;
 C12N001-20; C12N005-00; C12N005-10; C12N015-00; C12N015-62;
 G01N033-68

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(FILE 'HOME' ENTERED AT 15:52:40 ON 18 JUN 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 15:52:55 ON 18 JUN 2004'

L1 2461 S MEKK1
L2 71 S L1 (5A) HUMAN
L3 30 DUP REM L2 (41 DUPLICATES REMOVED)
L4 155 S L1 (5A)(SEQUENCE OR GENE)
L5 54 DUP REM L4 (101 DUPLICATES REMOVED)
L6 45 S L5 NOT L3

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

93.86

94.07

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 15:59:42 ON 18 JUN 2004